MAXIMUS V GENE V1.1

Note: The specifications are subject to change without notice.

CPU	LGA1155 socket for Intel® 3rd/2nd Generation Core™ i7/ i5/ i3/ Pentium® / Celeron® Processors
	Supports 22/32nm CPU
	Supports Intel® Turbo Boost Technology 2.0
	* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.
	** Refer to www.asus.com for Intel CPU support list
Chipset	Intel® Z77 Express Chipset
Memory	Dual channel memory architecture
	4 x DIMM, max. 32GB, DDR3 2800(O.C.)/2666(O.C.)/2600(O.C.)/2400(O.C.)/2200(O.C.)/2133(O.C.)/1866(O.C.)/1600/1333/1066 MHz, non-ECC, un-buffered memory
	Supports Intel® Extreme Memory Profile (XMP)
	* Hyper DIMM support is subject to the physical characteristics of individual CPUs.
	** Please refer to Memory QVL (Qualified Vendors List) for details.
Expansion Slots	2 x PCI Express 3.0/2.0 x16 slots [red] (Single at x16 or dual at x8/x8 mode)*
	1 x PCI Express 2.0 x4 slot [black]
	1 x mini-PCI Express 2.0 x1 slot on mPCIe Combo™ expansion card
	* PCIe3.0 speed is supported by Intel® 3rd genernation Core™ Processors.
VGA	**Integrated Intel® HD Graphics Processor**
	- Multi-VGA output support: DisplayPort/HDMI port
	Supports DisplayPort 1.1a with max. resolution 2560 x 1600@60Hz
	Supports HDMI 1.4a with max. resolution 1920 x 1200@60Hz
	Supports Intel® InTru™ 3D/Quick Sync Video/Clear Video HD Technology/Insider™
Multi-GPU	Support NVIDIA® SLI™ / AMD CrossFireX™ Technology
	Supports LucidLogix Virtu MVP Technology*
	* LucidLogix Virtu MVP supports Windows 7 operating systems.
Storage	**Intel® Z77 Express Chipset:**
	2 x SATA 6Gb/s ports [red]
	2 x SATA 3Gb/s ports [black]
	1 x eSATA 3Gb/s port
	1 x mSATA 3Gb/s slot on mPCIe Combo™ expansion card
	Intel® Rapid Storage Technology supports RAID 0, 1, 5 and 10
	Supports Intel® Smart Response Technology, Intel® Rapid Start Technology, Intel® Smart Connect Technology*
	ASMedia® SATA 6Gb/s controller:
	2 x SATA 6Gb/s ports [red]**
	* Supports on Intel® Core™ processor family with Windows® 7 operating systems.
	** These SATA ports are for data hard drives only.
LAN	Intel® Gigabit LAN Controller x 1
Audio	**SupremeFX III, built-in 8-Channel High Definition Audio CODEC**
	SupremeFX Shielding™ Technology
	1500 uF Audio Power Capacitor
	Gold-plated jacks
	- Output Signal-to-Noise Ratio (A-Weighted): 110 dB
	- Output THD+N at 1kHz: 95 dB
	Audio Feature:
	- X-Fi® Xtreme Fidelity™
	- EAX® Advanced™ HD 5.0
	- THX® TruStudio PRO™
	- Creative® ALchemy
	- Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking
	- Blu-ray audio layer Content Protection
	- Optical S/PDIF out port at back panel
USB	**Intel® Z77 Express Chipset:**
	4 x USB 3.0 ports; 2 ports at back panel [blue], 2 ports at mid-board [red]*
	8 x USB 2.0 ports; 4 ports at back panel, 1 for ROG Connect [white]; 4 ports at mid-board
	ASMedia® USB 3.0 controller:
	2 x USB 3.0 ports; 2 ports at back panel [blue]
	*UASP standard only supports Windows® 8.
ROG Exclusive Features	**mPCIe Combo™ (mPCIe/mSATA combo card)**
	ROG Connect
	- RC Diagram
	- RC Remote
	- RC Poster
	- GPU TweakIt
	ROG Extreme Engine Digi+ II
	- 8 phase CPU power
	- 4 phase iGPU power
	- 2 phase DRAM power
	UEFI BIOS features :
	- ROG BIOS Print
	- GPU.DIMM Post
	CPU Level Up
	GameFirst

Special Features	**ProbeIt**
	iROG
	Extreme Tweaker
	USB BIOS Flashback
	Loadline Calibration
	ROG O.C. Profile
	ASUS EPU Engine
	ASUS Exclusive Features
	- AI Suite II
	- TurboV EVO
	- USB 3.0 Boost
	- Fan Xpert 2
	- AI Charger+
	- Disk Unlocker
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 2
	- ASUS C.P.R.(CPU Parameter Recall)
	ASUS Q-Design
	- ASUS Q-Connector
	- ASUS Q-LED (CPU, DRAM, VGA, Boot Device LED)
	- ASUS Q-Slot
	- ASUS Q-DIMM
Back I/O Ports	1 x Clear CMOS button
	1 x ROG Connect On/Off switch
	4 x USB 2.0 (1 port can be switched to ROG Connect)
	1 x eSATA 3Gb/s
	4 x USB 3.0 [blue]
	1 x Optical S/PDIF out
	1 x HDMI port
	1 x DisplayPort
	1 x LAN (RJ45) port
	6 x Audio jacks
Internal I/O Ports	1 x USB 3.0 connector supports additional 2 USB 3.0 ports
	2 x USB 2.0 connectors support additional 4 USB 2.0 ports
	4 x SATA 6Gb/s connectors
	2 x SATA 3Gb/s connectors
	2 x CPU Fan connectors
	3 x Chassis Fan connectors
	1 x 24-pin EATX Power connector
	1 x 8-pin EATX 12V Power connector
	8 x ProbeIt Measurement Points
	1 x Power-on button
	1 x Reset button
	1 x Go Button
	1 x S/PDIF out header
	1 x Front panel audio connector (AAFP)
	1 x System panel connector
	1 x mPCIe Combo header
Accessory	User's manual
	I/O Shield
	2 x 2-in-1 SATA 6Gb/s signal cables
	1 x 2-in-1 SATA 3Gb/s signal cables
	1 x SLI bridge
	1 x ROG Connect cable
	1 x 2-in-1 ASUS Q-Connector Kit
	1 x 12 in 1 ROG Cable Label
	1 x ROG Door Hanger
BIOS	64Mb UEFI AMI BIOS, PnP, DMI2.0, WfM2.0, SM BIOS 2.5, ACPI2.0a Multi-Language BIOS
Manageability	WfM2.0, DMI2.0, WOL by PME, PXE
Software	Drivers
	Sound Blaster® X-Fi 2 Utility
	Kaspersky® Anti-Virus
	DAEMON Tools Pro Standard
	ROG CPU-Z
	ASUS AI Suite II
	ASUS WebStorage
	ASUS Utilities
Form Factor	mATX Form Factor, 9.6”x 9.6” (24.4cm x 24.4cm)